

### Lab Report Rubric

Category	0	1	2	3	4
<i>Abstract gives a clear synopsis of the lab</i>	Not present	Synopsis is not clear or some elements of the abstract are missing	Gives a clear synopsis of the lab purpose, hypothesis, experimental approach, and conclusion		
<i>The question to be answered during the lab is stated</i>	Not present	The question is identified, but in a somewhat unclear manner	The question is clearly identified and stated		
<i>The hypothesis clearly shows it is based on research (not just a wild guess) and is written in the formal format</i>	Not present	The hypothesis is poorly stated (improper format or not reasonable)	The hypothesis is clear and well-written in the If...Then... format		
<i>Thoroughly answers the relevant questions put forth in the lab handout</i>	Not present	Shows an inaccurate understanding of the questions and concepts in the lab handout	Shows a limited understanding of the questions and concepts in the lab handout	Shows an accurate understanding of most questions and concepts in the lab handout	Shows a thorough and accurate understanding of all questions and concepts in the lab handout
<i>Research references used to prepare lab are properly cited and trustworthy</i>	Not present	In-text citations are present, but either in incorrect format or not for all cases	In-text citations are present, used correctly, and in correct format		
<i>Presents easy-to-follow steps which are logical and adequately detailed</i>	Not present	Procedure is unclear and incomplete	Procedure is unclear or incomplete	Procedure is presented clearly and with enough detail	
<i>Data table is complete and accurate</i>	Not present	Data are not shown OR are inaccurate.	Accurate representation of the data in written form, but graphs or tables are presented.	Accurate representation of the data in tables and/or graphs. Graphs/tables and/or titles are not entirely appropriate labeled and titled.	Accurate and appropriate representation of the data in tables and/or graphs. Graphs and tables are labeled and titled.
<i>States a conclusion based on the hypothesis and purpose (supports or rejects hypothesis)</i>	Not present	Conclusion is stated in an unclear manner or is unrelated to the original hypothesis	Conclusion is clearly stated and relates to the hypothesis and purpose (hypothesis is either rejected or accepted)		

<i>The data is analyzed in a appropriate way and is related to the hypothesis and purpose</i>	Not present	The relationship between the variables is not discussed	The relationship between the variables is discussed, but no connection is made to the conclusion	The relationship between the variables is discussed and the link between the data and the conclusion is stated, but not explained OR the data and conclusion are explained, but the link between variables is missing	The relationship between the variables is discussed and the link between the data and conclusion is thoroughly discussed and explained
<i>Identifies sources of error and explains their effects on results</i>	Not present	Errors and their effects are stated in an unclear manner or show little effort and reflection	Errors and their effects are identified and clearly stated		
<i>Presents suggestions on experiment improvement and further studies to be done</i>	Not present	Further studies and improvements are stated in an unclear manner or show little effort and reflection	Further studies and improvements are identified and clearly stated		
<i>Report is typed, double-spaced, no large than 12 font, and margins of 1"</i>	Not present	Lab report only has some of these things	Lab report has all of these things		
<i>Logically sequenced as laid out in the lab report; Lab report sections clearly distinct from each other</i>	Not present	Lab report only uses headings sometimes and the sections are not clearly distinct from each other	Lab report uses clear headings and subheadings to visually organize the material		
<i>All grammar and spelling are correct</i>	Not present	Grammar and spelling are mostly correct	Grammar and spelling are correct and the paper has clearly been proofread and edited		
<i>Lab notes are attached and provide a thorough record of the lab process</i>	Not present	Lab notes are attached but do not provide a thorough record of the lab process	Lab notes are attached and provide a thorough record of the lab process		
<i>Lab report is stapled and scoresheet (self evaluation) is completed and attached</i>	Not Stapled or scoresheet not done	Lab report is stapled and scoresheet (self evaluation) is completed and attached			